Karen

USDA United States Department of Agriculture | Forest Service | Northeastern Area State and Private Forestry | 180 Canfield Street Morgantown, WV 26505- 3101

File Code: 3460
Date: February 12, 2001

Mr. Donald Thompson
U.S. Army Corps of Engineers
Huntington District
502 8th Street
Huntington, WV 25701

Dear Mr. Thompson:

Summaries of the 1983-2000 gypsy moth program conducted at five Army Corps of Engineers sites within the Huntington District are enclosed for your information (Table 1). Also enclosed are maps showing the trap locations at these sites (Figures 1-5). The purpose of the trapping program is to monitor low-level gypsy moth populations and help determine when more intensive survey methods should be employed.

There was little significant difference in trapping results at most of the sites this past year when compared to 1999. Delaware Lake is one site with a significant difference in trapping results this past trapping season. Delaware Lake trapped 9 male moths in 2000. This is a decrease from 74 male moths trapped in 1999. The trapping results at the Corps sites are fairly consistent with the Slow-the-Spread project trapping results in these areas of Ohio in 2000 (Figures 6-7). Based on these results, gypsy moth populations will not impact the forest resources at these Corps projects in the immediate future.

It is important that personnel at the Corps sites continue to look for other gypsy moth life stages such as larvae, pupae, and/or egg masses while performing their normal duties. Please visit our GM Digest web page for a list of publications that can be helpful with the identification of these life stages, as well as a good source for general gypsy moth information. The web address is:
http://fhpr8.srs.fs.fed.us/wv/gmdigest/gmdigest.html.

We would like to continue the trapping program at the same intensity in 2001. Thank you for your continued cooperation and if you have any questions regarding these results, please call Karen Felton at (304)285-1556.

Sincerely,

JOHN W. HAZEL
Field Representative

Enclosures

cc: Noel Schneeberger, AO
Joe Williams, Park Ranger, Alum Creek
Bonnie Maki, Deer Creek Lake
Ben O'Dell, Delaware Lake
Mindy Hogan, Dillon Lake
Todd Milnes, Paint Creek Lake
Jim Mickey, OHDA

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Table 1.—Summary of the 1983-2000 gypsy moth trapping results, Huntington District, U.S. Army Corps of Engineers.

Alum Creek (Delaware County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	18	0	--
1986	15	1	9
1987	15	0	--
1988	15	0	--
1989	15	0	--
1990	15	4	2, 3, 11, 15
1991	15	2	7, 10
1992	15	7	1, 2, 4, 6, 7, 11
1993	15	12	All except 1, 2, 7, 9, 12, 13
1994	15	3	3, 12
1995	13	3	1, 5, 7
1996	15	1	14
1997	15	14	1-4, 8-13
1998	15	10	2, 3, 8-11, 15
1999	15	36	1, 2, 4, 5, 7, 9-11, 13, 14
2000	15	21	2, 6-10, 12,13

Deer Creek Lake (Fayette and Pickaway Counties, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	13	0	--
1986	15	0	--
1987	15	0	--
1988	15	0	--
1989	15	1	15
1990	15	0	--
1991	15	0	--
1992	15	3	6, 7, 13
1993	15	3	1, 6
1994	15	0	--
1995	18	0	--
1996	18	1	10
1997	20	6	1, 2, 10, 16
1998	15	1	13
1999	14	1	1
2000	15	4	12

Delaware Lake (Delaware County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	- -
1984	15	0	- -
1985	18	0	- -
1986	15	0	- -
1987	15	0	- -
1988	12	0	- -
1989	12	0	- -
1990	12	0	- -
1991	10	0	- -
1992	10	1	9
1993			No traps deployed
1994	12	0	- -
1995	15	3	4, 12, 13
1996	15	1	14
1997	15	45	2-5, 7-13, 15
1998	15	3	2, 7, 13
1999	15	74	All
2000	15	9	1, 2, 6, 9, 11, 12,13

Dillon Lake (Muskingum County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	- -
1984	15	0	- -
1985	15	0	- -
1986	15	4	4, 11
1987	15	0	- -
1988	16	0	- -
1989	16	9	2, 6, 8, 11-13,15
1990	16	0	- -
1991	16	11	4-6, 8, 9, 11, 13, 14, 16
1992	16	31	All except 4, 7, 8, 16
1993	3	6	17, 18
1994	16	15	2, 5, 6, 12, 13, 14, 15
1995	- -	- -	Traps not deployed
1996	14	21	1, 3, 7, 8, 11-13
1997	15	27	1, 2, 5, 8, 10-12, 15
1998	14	141	All except 11
1999	15	224	All
2000	15	241	All

Paint Creek Lake (Highland and Ross Counties, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	- -
1984	10	0	- -
1985	10	0	- -
1986	12	3	2
1987	12	0	- -
1988	10	0	- -
1989	10	6	5, 7, 8, 9
1990			No Data
1991	10	0	- -
1992	12	0	- -
1993	14	0	- -
1994	13	6	3, 4, 12, 13
1995	14	15	3, 4, 10-13
1996	13	10	3, 4, 8, 9, 11,1 3
1997	14	21	2, 7-13
1998			No data
1999	15	8	3-5, 8, 11, 13
2000	13	8	2, 3, 7, 8, 10-12

Figure 1. 2000 Gypsy Moth Trapping Results at Alum Creek Lake.

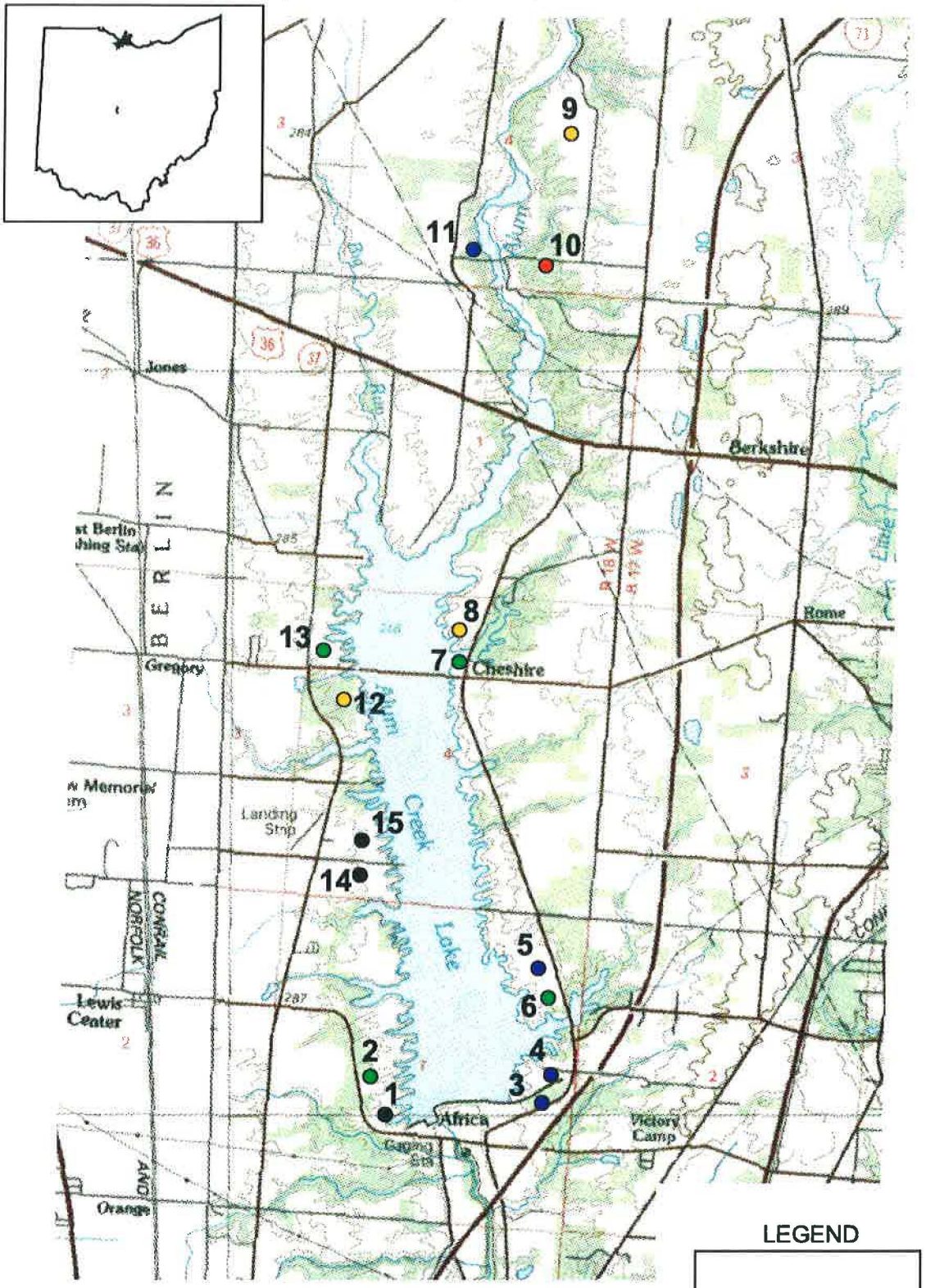

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Figure 2. 2000 Gypsy Moth Trapping Results at Deer Creek Lake.

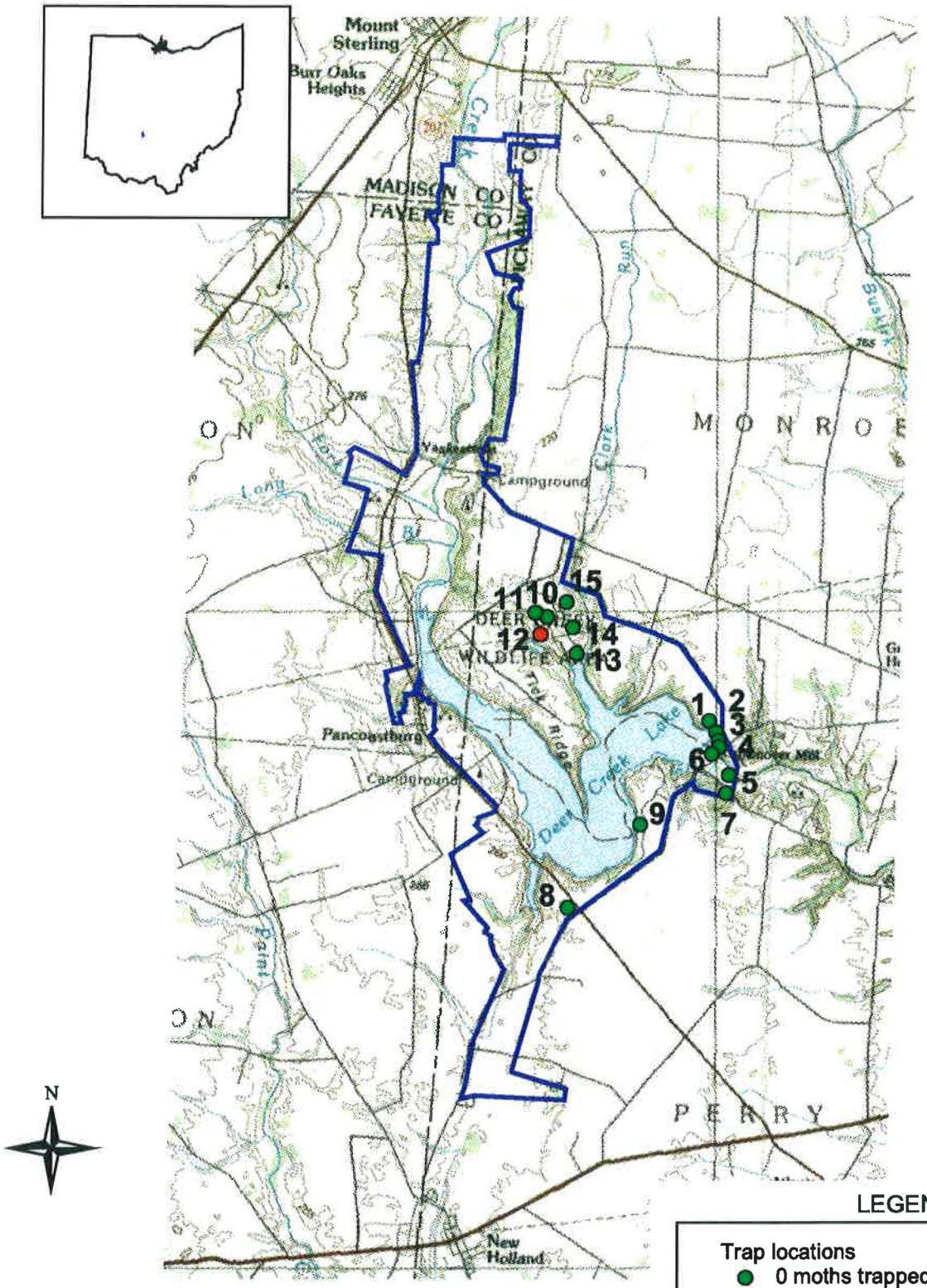

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Figure 3. 2000 Gypsy Moth Trapping Results at Delaware Lake.

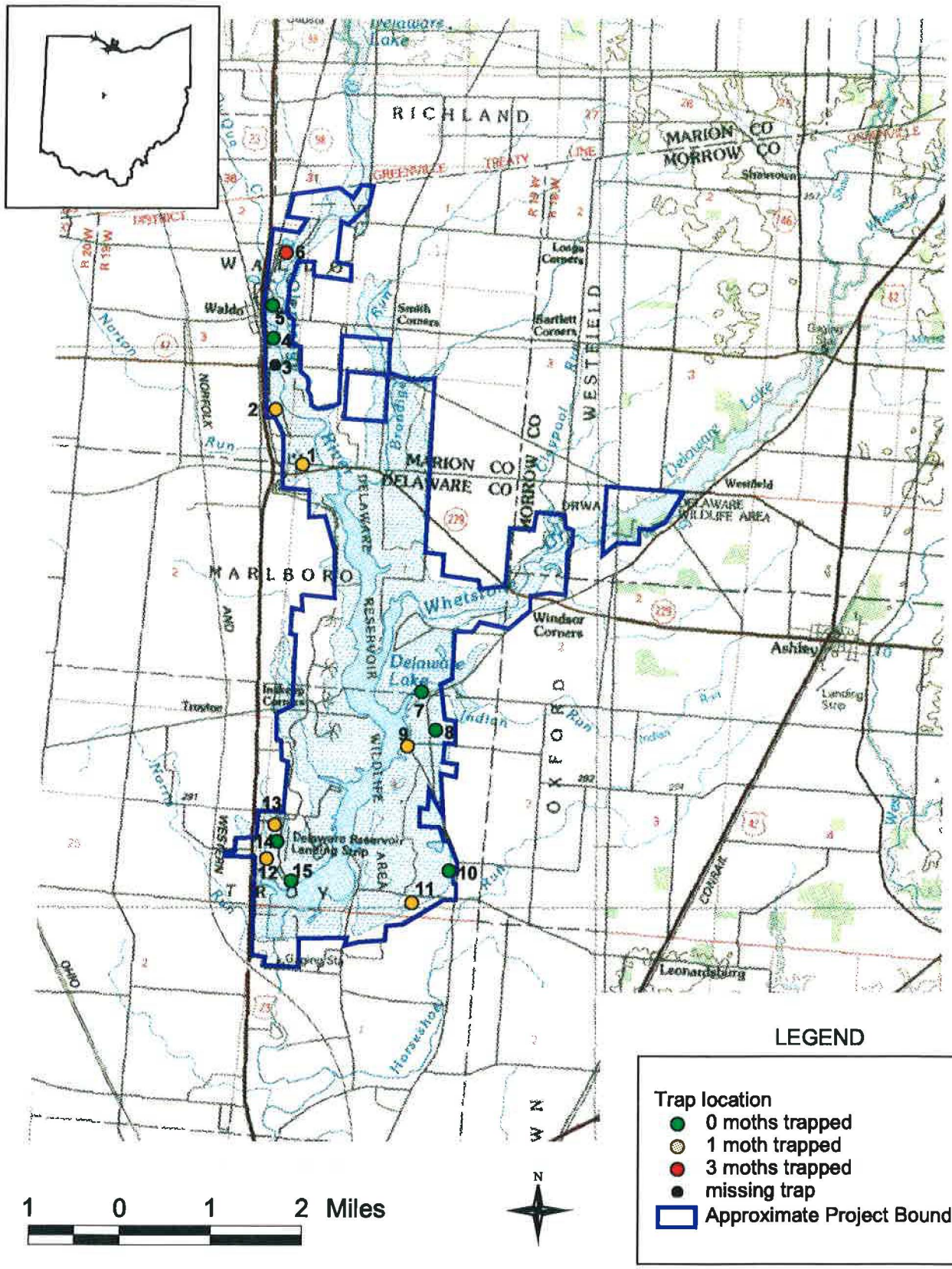

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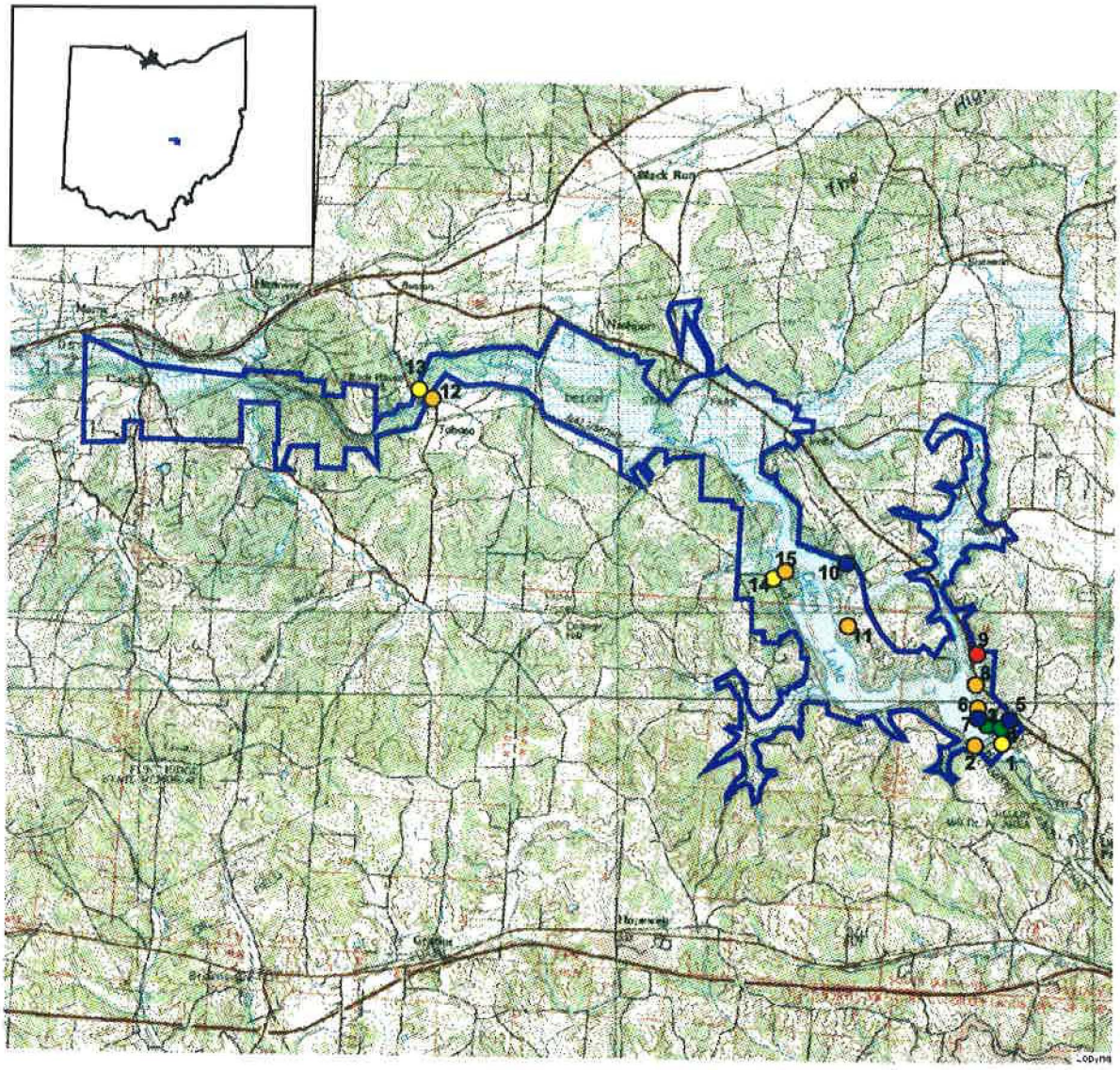
Figure 4. 2000 Gypsy Moth Trapping Results at Dillon Lake.



N

2 0 2 4 Miles

LEGEND

Trap location
- 11 - 12 moths trapped
- 13 - 14 moths trapped
- 15 - 17 moths trapped
- 18 - 20 moths trapped
- 21 - 22 moths trapped

Approximate Project Boundary

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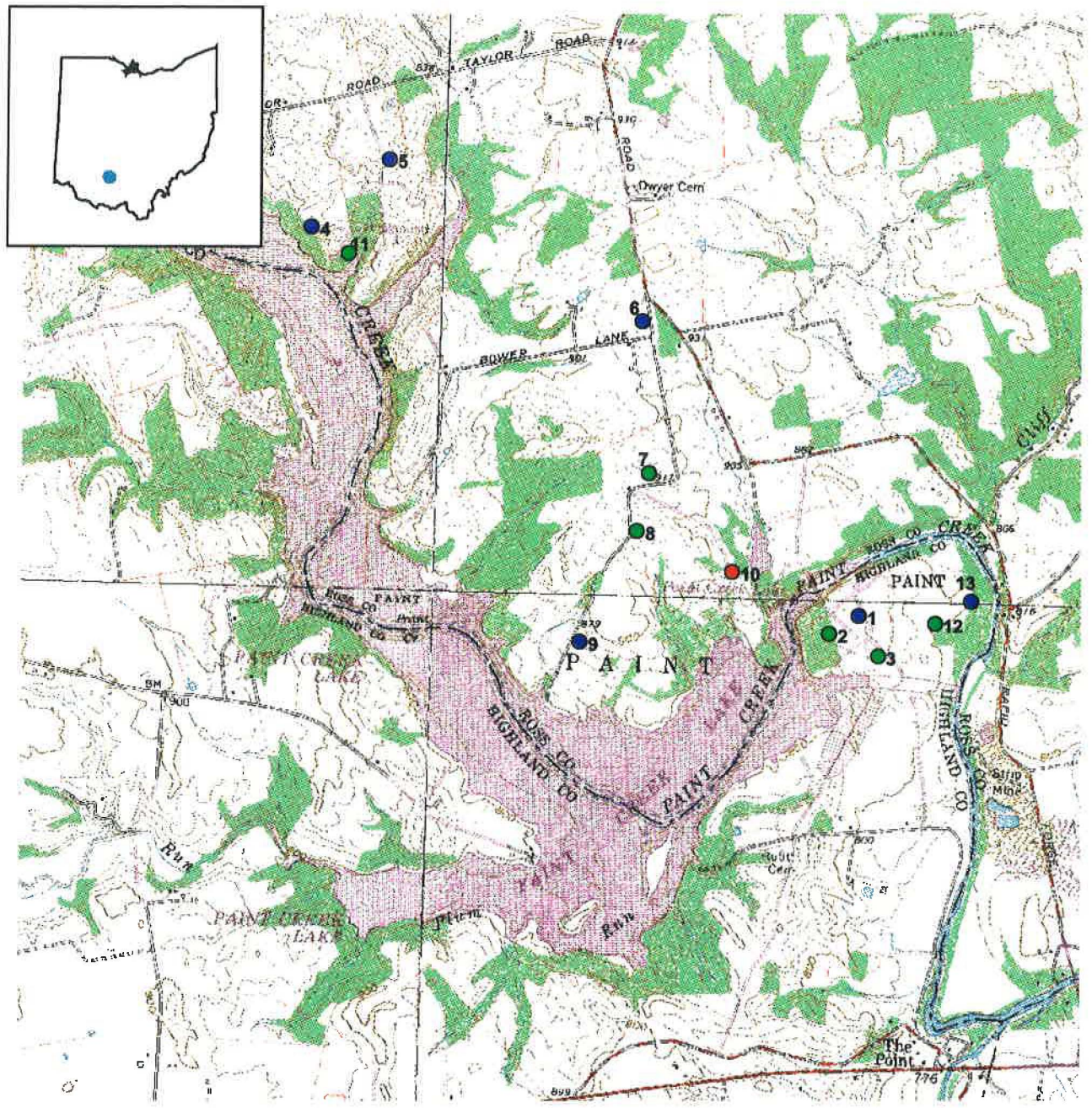
Figure 5. 2000 Gypsy Moth Trapping Results at Paint Creek Lake.



N

0.4 0 0.4 0.8 Miles

LEGEND

Trap locaton
- 0 moths trapped
- 1 moth trapped
- 2 moths trapped

Trap locations from interpretation of map enclosed with data.

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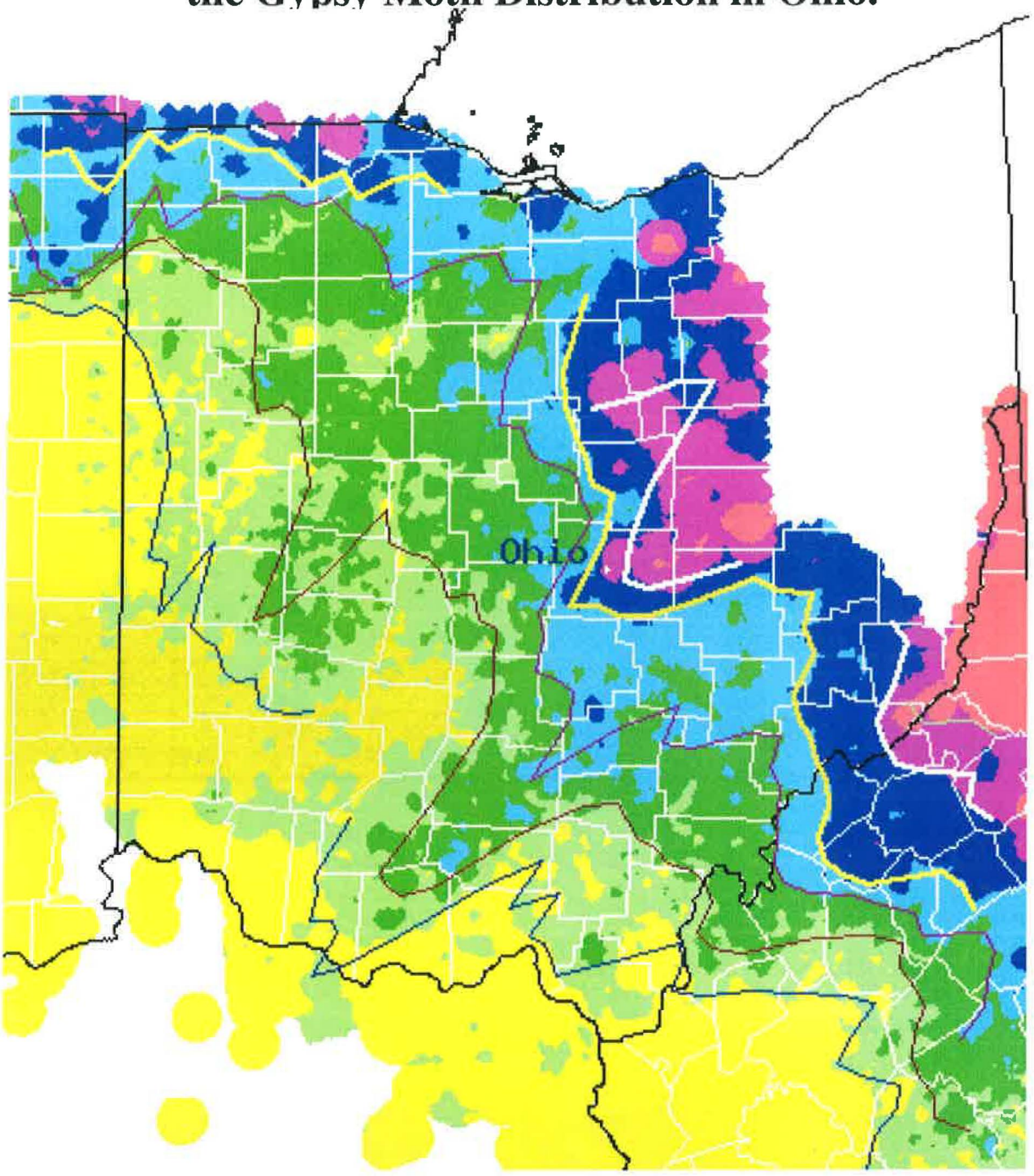
Figure 6.
1999 Gypsy Moth Slow The Spread Trapping Activities Showing the Gypsy Moth Distribution in Ohio.



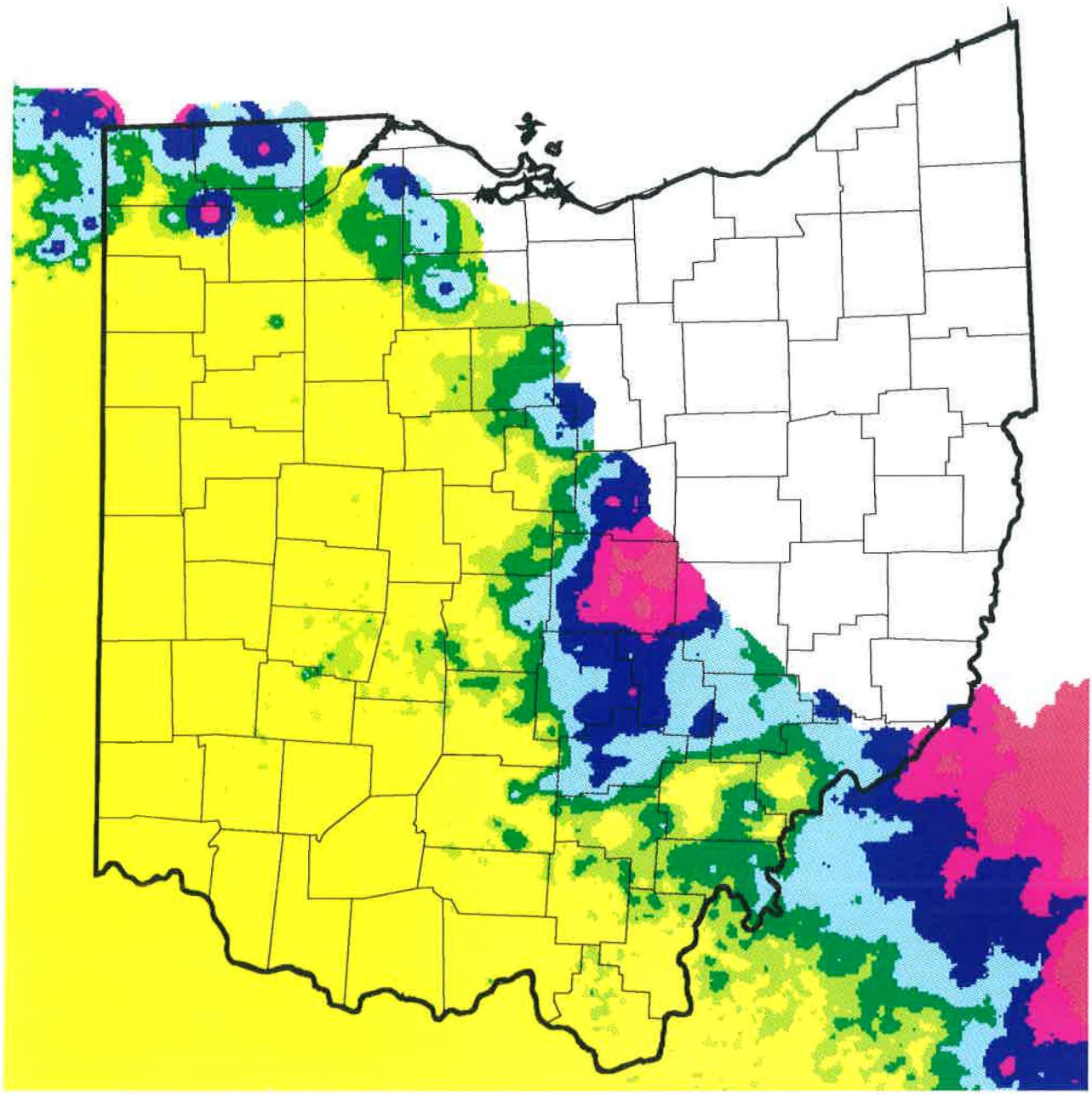
LEGEND

Moth counts in traps
- <1
- 1-3
- 3-10
- 10-30
- 30-100
- 100-300
- ≥300

Population boundaries
- 1-moth line
- 3-moth line
- 10-moth line
- 30-moth line
- 100-moth line
- 300-moth line

Source:
Virginia Gypsy Moth
Information Systems Lab
Virginia Tech
Blacksburg, VA
http://www.ento.vt.edu/STS/

Figure 7.--2000 Gypsy Moth Slow the Spread Trapping Activities Showing the Gypsy Moth Distribution in Ohio.



LEGEND

Moth counts in traps

- < 1 moth
- 1 to 3 moths
- 3 to 10 moths
- 10 to 30 moths
- 30 to 100 moths
- 100 to 300 moths
- 300 moths

Source:
Virginia Gypsy Moth
Information Sysytems Lab
Virginia Tech
Blacksburg, VA

http://www.ento.vt.edu/STS/

2/01 KDF